

Work Order ID 74542

Tuesday, October 04, 2011 9:49:22 AM



Page 1

Item ID: D3183-5

Accept



Setup Start



Revision ID:

Item Name: Bearing

Stop



Start Date: 9/30/2011 Start Qty: 40.00



Cust Item ID:

Required Date: 10/14/2011 Req'd Qty: 40.00



Customer:

Reference:

Approvals: Process Plan: ML JDate: 11/10/04 Tooling:

Date:

Run Start



QC:

Date: _____

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

Draw Nbr	Revision Nbr
D3183	Rev C1

100



PURCHASING

Purchasing

Memo

0.00

U U 09.30

Purchasing

 Issue P/O: 15088 Bearing as per Dwg D3183 Single row, deep groove, Conrad type, shielded Possible Supplier: NSK P/N 6800ZZ Certificate of conformity note is required

110



Receive & Inspect for Damage & Mat'l Certs

0.00

P 11/10/04

Packaging

Memo

Packaging

Ensure certificate of conformity is attached

120



QC6- Inspect dimensions to drawing

0.00

QC

Quality Control

Memo

0.00

5 u10105

 counts
40

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____
 Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

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DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
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NOTE: Date & initial all entries

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Page 2

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Customer:

Reference:

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Date:

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run Hours

Tool ID

Tool #

Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

130



Packaging

Identify as per dwg & Stock Location: ST 236

0.00

SOP 11-10-5

140



QC

Quality Control

QC21- Final Inspection - Work Order Release

0.00

Memo

0.00

W10/6/10

MF

11-10-6

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NOTE: Date & initial all entries

Picklist Print

Page 1

Tuesday, October 04, 2011 9:49:27 AM

Work Order ID: 74542



Parent Item: D3183-5



Parent Item Name: Bearing

Start Date: 9/30/2011

Required Date: 10/14/2011

Start Qty: 40.00

Required Qty: 40.00

Comments: IPP: A□03.03.27□New issue□KJ/RF

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
6800ZZ 		Purchased	No		100		Each	0.0000	1	40		<i>Ready 5/40</i>	

Bearing

W/O:		WORK ORDER CHANGES							
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DESIGN	DRAWN BY	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED	APPROVED	DRAWING NO.	REV. C
		D3183	SHEET 1 OF 4

DATE 04.02.17 TITLE SCALE 1:1
BRACKET ASSEMBLY

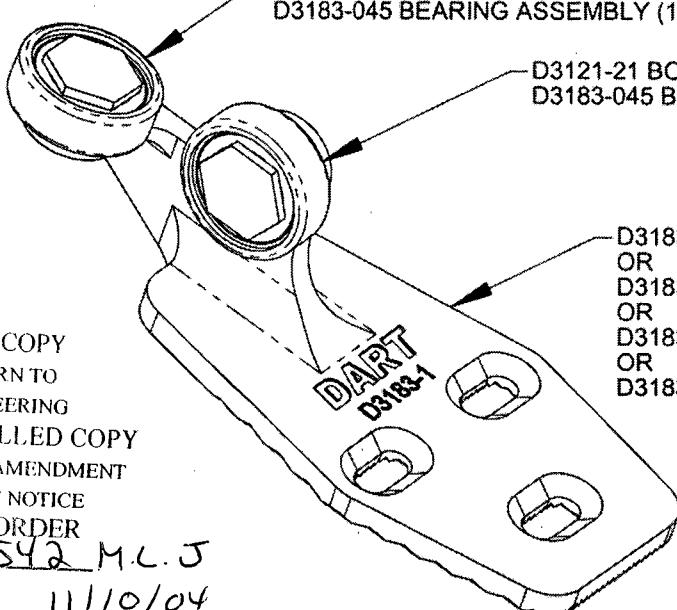
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04.03.01
DEO ATTACHED

SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 74542 M.L.J
11/10/04

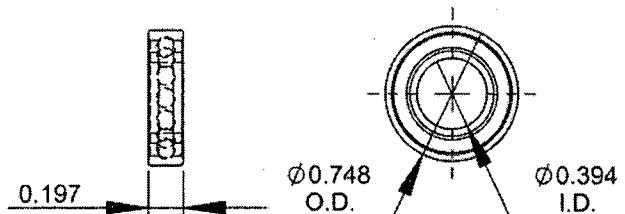
D3121-21 BOLT (1)
D3183-045 BEARING ASSEMBLY (1)

D3121-21 BOLT (1)
D3183-045 BEARING ASSEMBLY (1)

D3183-1 BRACKET FOR -041 (SHOWN)
OR
D3183-2 BRACKET FOR -042 (OPPOSITE)
OR
D3183-3 BRACKET FOR -043 (SIMILAR)
OR
D3183-4 BRACKET FOR -044 (SIMILAR)

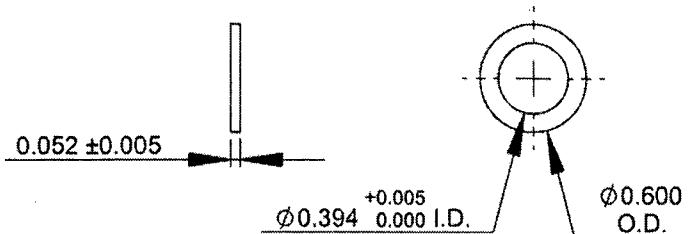


D3183-041 BRACKET ASSEMBLY (SHOWN)
D3183-042 BRACKET ASSEMBLY (OPPOSITE)
D3183-043 BRACKET ASSEMBLY (SIMILAR)
D3183-044 BRACKET ASSEMBLY (SIMILAR)



D3183-5 BEARING: SPECIFICATION CONTROL DRAWING

- 1) SINGLE ROW, DEEP GROOVE, CONRAD TYPE, SHIELDED
- 2) POSSIBLE SUPPLIER: NSK P/N 6800ZZ
- 3) ALL DIMENSIONS ARE IN INCHES



D3183-7 WASHER

- 1) MATERIAL: AISI 303 ROUND BAR (M303R) ANNEALED
- 2) BREAK ALL SHARP EDGES 0.005 TO 0.010
- 3) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) ALL DIMENSIONS ARE IN INCHES

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NOTE: Date & initial all entries

74542

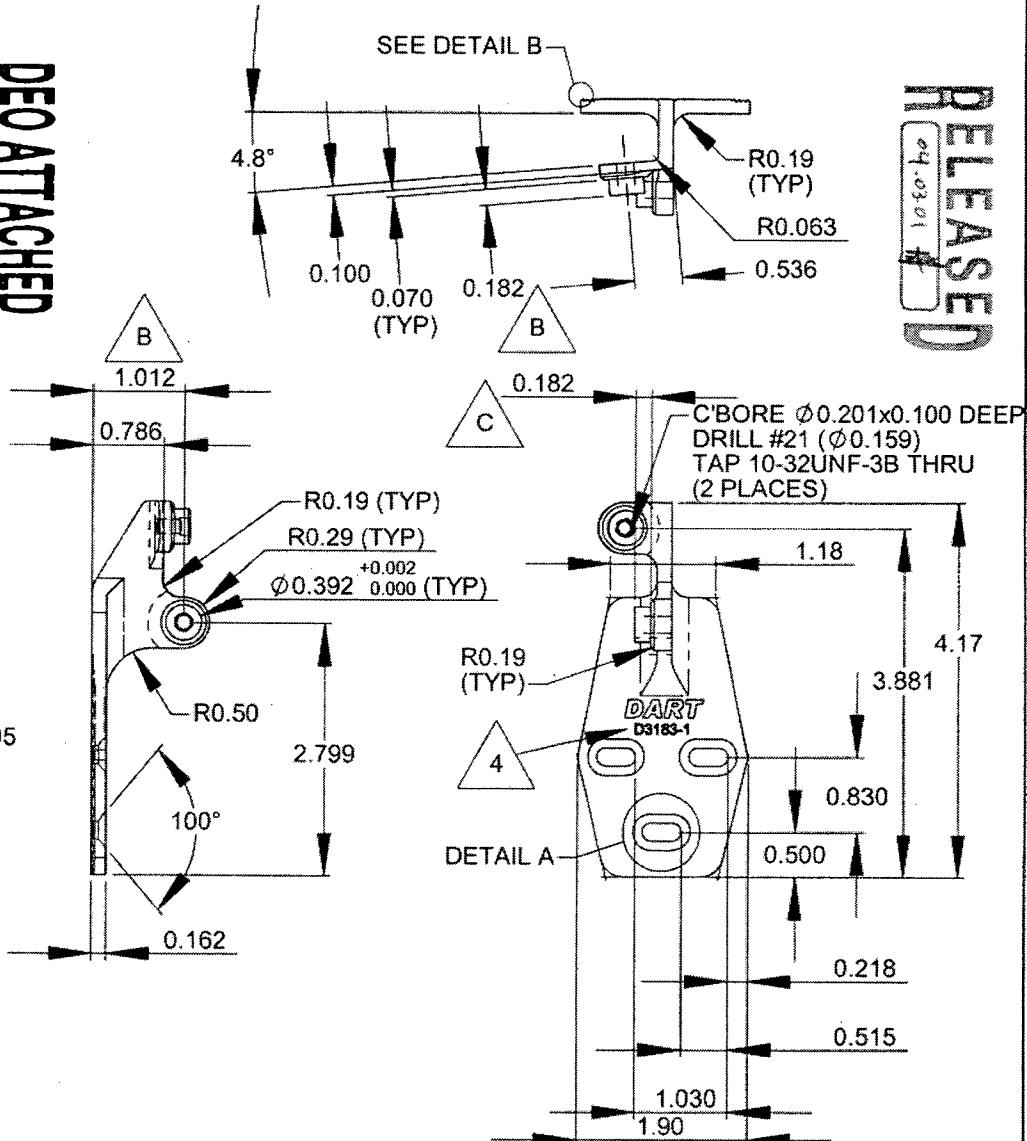
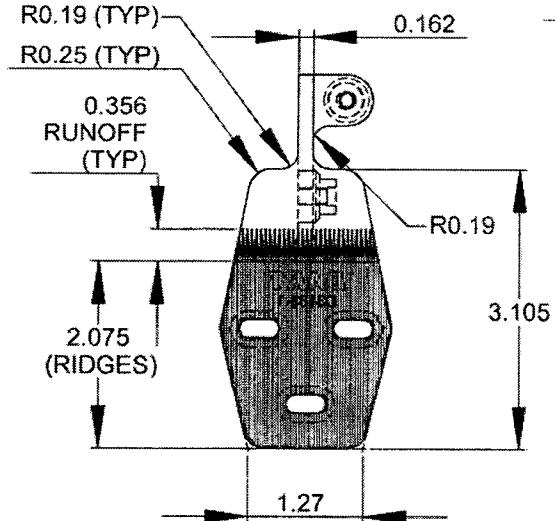
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04-03-01

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		REV. C	
DATE	04.02.17	DRAWING NO.	SHEET 2 OF 4
TITLE	D3183	BRACKET ASSEMBLY	1:2

DEO ATTACHED



D3183-1 BRACKET SHOWN

D3183-2 BRACKET OPPOSITE

- 1) D3183-1 CAN BE MADE FROM D3183-3
- 2) MATERIAL: 17-4 SS PER AMS 5604/5643 (REF DART SPEC. M17-4-B)
MIN ULTIMATE STRENGTH = 150 ksi
MIN YIELD STRENGTH = 100 ksi
- 3) BREAK ALL SHARP EDGES 0.005 TO 0.015
- 4) ENGRAVE DART P/N & LOGO AS SHOWN
- 5) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 6) ALL DIMENSIONS ARE IN INCHES

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

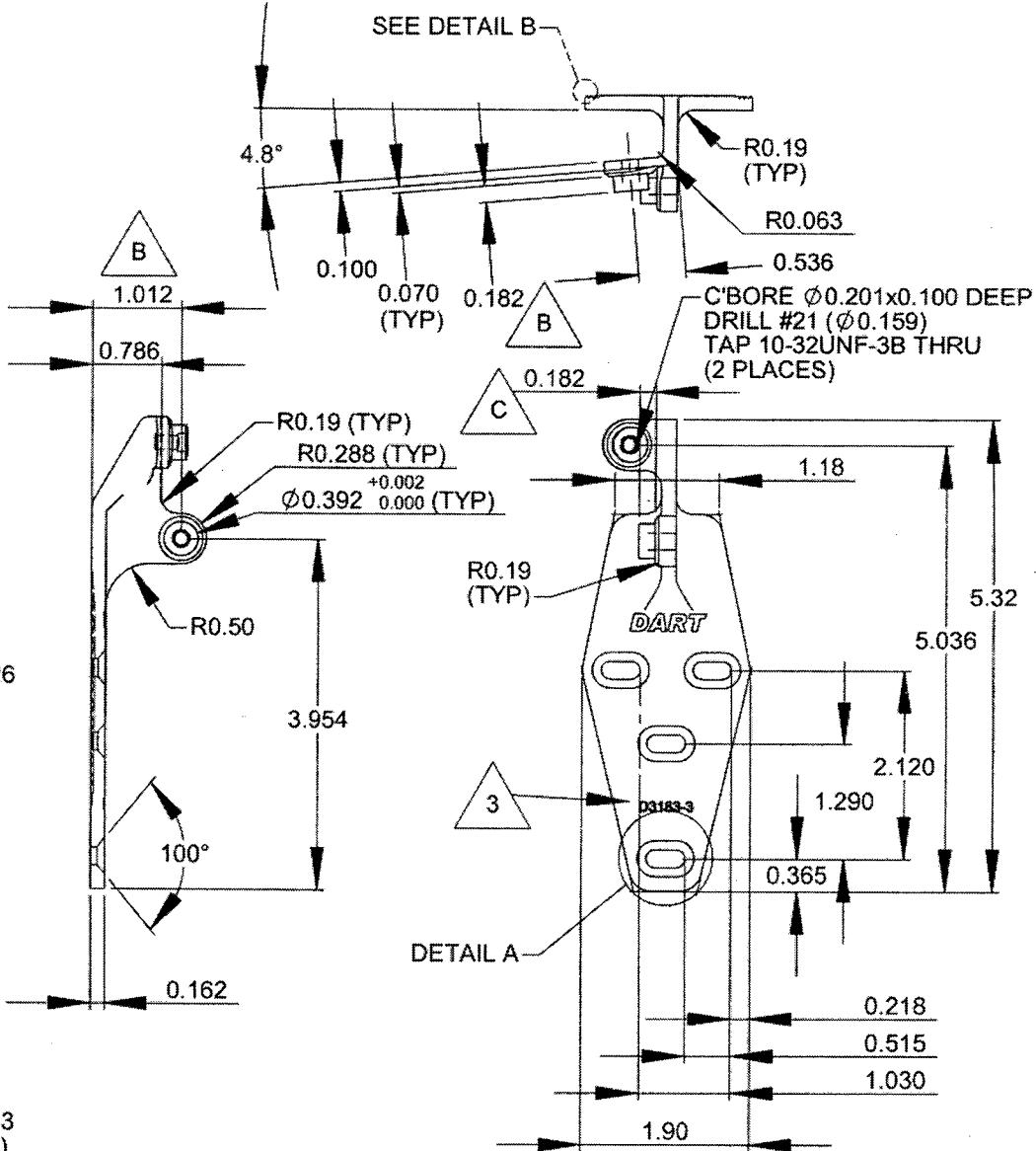
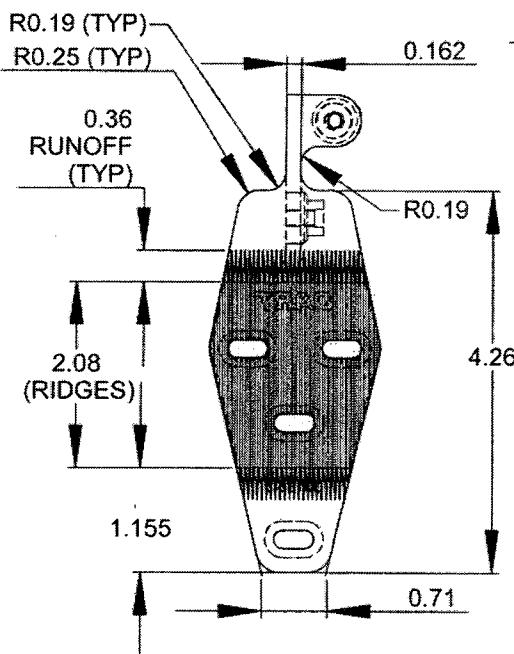
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NOTE: Date & initial all entries

74542

DEATTACHED
RELEASED
04-02-01



D3183-3 BRACKET SHOWN
 (REPLACES BELL P/N 412-030-304-105)

D3183-4 BRACKET OPPOSITE
 (REPLACES BELL P/N 412-030-304-106)

1) MATERIAL: 17-4 SS PER AMS 5604/5643
 (REF DART SPEC. M17-4-B)
 MIN ULTIMATE STRENGTH = 150 ksi
 MIN YIELD STRENGTH = 100 ksi

2) BREAK ALL SHARP EDGES 0.005 TO 0.015

3) ENGRAVE DART P/N & LOGO AS SHOWN

4) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED

5) ALL DIMENSIONS ARE IN INCHES

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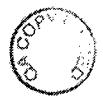
DESIGN	DRAWN BY	DART AEROSPACE LTD	
CHECKED	APPROVED	HAWKESBURY, ONTARIO, CANADA	
		REV. C	
		DRAWING NO.	D3183
DATE	04.02.17	TITLE	BRACKET ASSEMBLY
		SHEET 3 OF 4	
		SCALE	1:2

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE			By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

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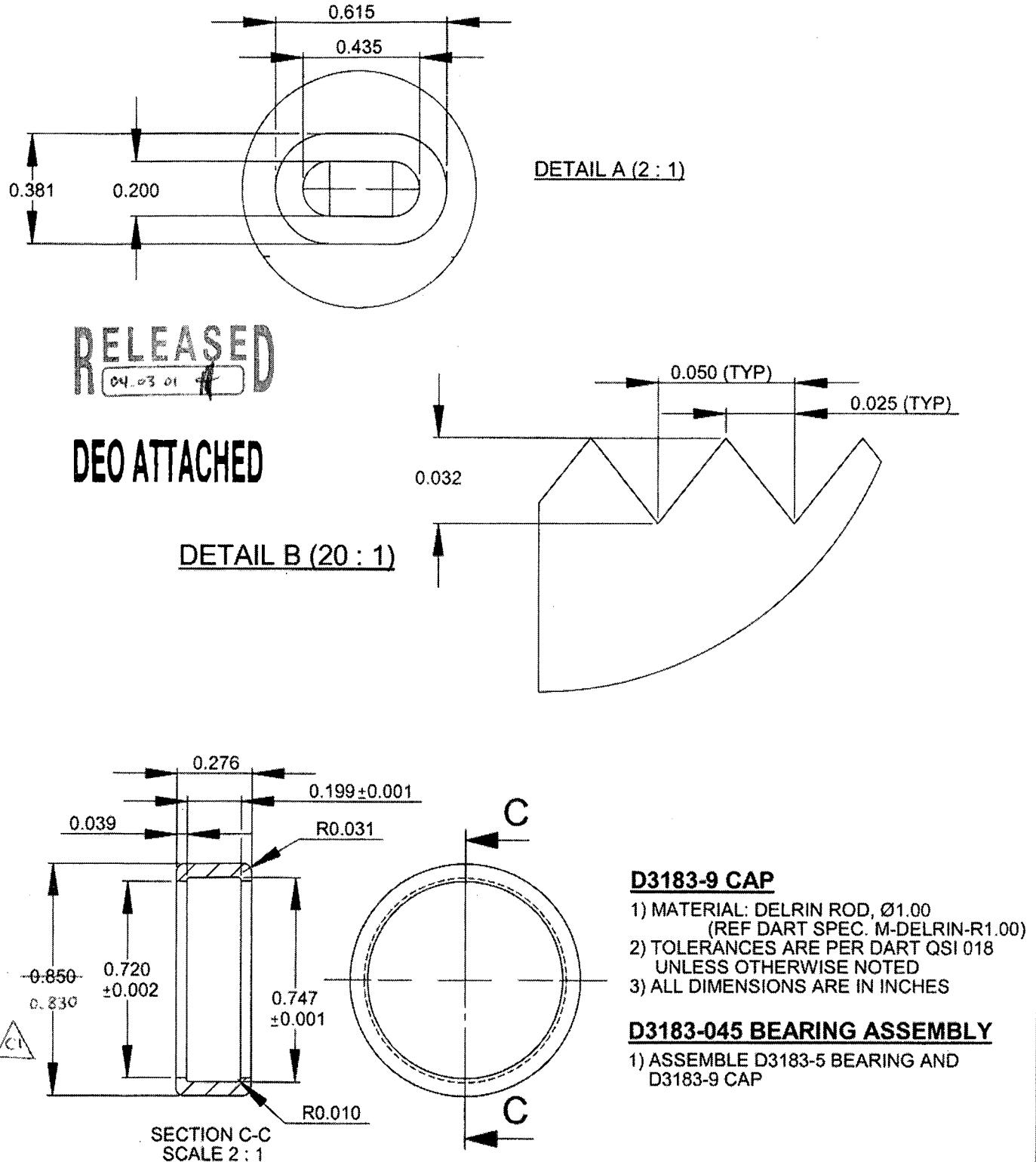
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DATE	04.02.17	DRAWING NO.	REV. C
		D3183	SHEET 4 OF 4

1:1



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74542

DRAWING NO. D3183	TITLE BRACKET ASSEMBLY	REV.C1	DART AEROSPACE LTD ENGINEERING ORDER	D.E.O. NO. D3183-C1-1	SHEET NO. SHEET 1 OF 1	SCALE NTS
DRAWN <i>gp</i>	CHECKED <i>AS</i>	MFG. APPR. <i>AM</i>	APPROVED <i>MP</i>	DE APPR. <i>MP</i>		
DATE 10.05.14	DATE 10.06.30	DATE 10.06.30	DATE 10/06/30	DATE 10/06/30	DATE 10/06/30	

D3183-5 BEARING

ADD POSSIBLE SUPPLIER: KML P/N 6800-ZZ

BASIC LOAD RATING REQUIREMENT: Cr = 1720 N (386 lb) MIN [DYNAMIC]
 Cor = 840 N (188 lb) MIN [STATIC]

REF PAR 10-012

RELEASED
 2010-07-22
MP

W/O:		WORK ORDER CHANGES					
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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO15088**

Purchase Order Date 10/4/2011
PO Print Date 10/4/2011

Page Number 1 of 1

Order From : VC-MAI001

MAIN INDUSTRIAL SALES LTD.
1475, TESSIER
HAWKESBURY, ON K6A 3S6
CA

Contact Name	Buyer	Brigitte Golden
Vendor Phone	Requisition Nbr	
Vendor Fax	Tax Resale Nbr	10127-2607
Vendor Account Nbr	Terms	Net 30
	Currency	CAD
	FOB	Destination-Collect

Ship To : DART AEROSPACE LTD 1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	6800ZZ	Bearing	10/4/2011 Yes	40.00 Each	Yours ppd	\$1.4800	\$59.20

PO Total: **\$59.20**

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 10/4/2011

MAIN INDUSTRIAL SALES LTD.

75 TESSIER ST.
HAWKESBURY ON K6A 3S6
Phone: (613) 632-3595 Ext. Fax: (613) 632-0262
Email: les@mainindustrialsales.com

Packing Slip

DATE October 05, 2011
NUMBER 0000148291
CUSTOMER NO. DART

BILL TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

SHIP TO:

DART AEROSPACE LTD.
1270 ABERDEEN ST.
HAWKESBURY ON K6A 1K7

(613) 632-5200 Ext.

(613) 632-5200 Ext.

P.O. NUMBER	SALESPERSON	ORDER DATE	REQ. DATE	ORDER NUMBER
15088	EB	04-Oct-11		0000148291
F.O.B.	SHIP VIA	TERMS		
F.O.B. value	PICK UP	NET 30 DAYS		
PART NUMBER DESCRIPTION		UOM	REQ.	SHIPPED
0-68002ZKML BALL BEARING	S 11/10/05	EA	40	40
YOUR PART # : 68002Z				